

## EAST Search History

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| S1    | 931  | aluminosilicate and modified and unmodified   | US-PGPUB; USPAT | OR               | ON      | 2007/07/20 12:37 |
| S2    | 504  | aluminosilicate and modified and unmodified and zeolite   | US-PGPUB; USPAT | OR               | ON      | 2007/07/20 12:38 |
| S3    | 479  | aluminosilicate and modified and unmodified and zeolite and method  | US-PGPUB; USPAT | OR               | ON      | 2007/07/20 12:41 |
| S4    | 838  | aluminosilicate and silanol   | US-PGPUB; USPAT | OR               | ON      | 2007/07/20 12:41 |
| S5    | 815  | aluminosilicate and silanol and method  | US-PGPUB; USPAT | OR               | ON      | 2007/07/20 12:42 |
| S6    | 311  | aluminosilicate and silanol and (method.ti. or process.ti.)   | US-PGPUB; USPAT | OR               | ON      | 2007/07/23 15:33 |
| S7    | 326  | aluminosilicate and ((Methyltriethoxysilane MTES Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane M adj T adj E adj S or Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane VTEO Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'" - Triethylvinylsilanetriol" Vinyltriethoxysilane/ Triethoxyvinylsilane))  | US-PGPUB; USPAT | OR               | ON      | 2007/07/20 12:58 |
| S8    | 118  | aluminosilicate and ((Methyltriethoxysilane Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'" - Triethylvinylsilanetriol" Vinyltriethoxysilane/ Triethoxyvinylsilane)) and ((Tetramethyl adj orthosilicate or Methyl adj silicate or Tetramethoxysilane or Silicon adj tetramethoxide or Orthosilicic adj acid adj tetramethyl adj ester or Tetramethyl adj silicate or tetramethoxysilane or Tetramethoxy adj Silane or Tetramethoxysilane/ Tetramethyl adj orthosilicate Tetramethoxysilane (Tetramethylorthosilicate)) or | US-PGPUB; USPAT | OR               | ON      | 2007/07/20 13:05 |

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|     |      | (Tetraethyl adj orthosilicate adj Ethyl adj silicate Tetraethoxysilane Orthosilicic adj acid adj tetraethyl adj ester Tetraethyl adj silicate Tetraethyl adj orthosilicate Silicon adj tetraethoxide Ethyl adj Silicate-40 Tetraethylorthosilicate Silicon adj ethoxide))  |                 |     |    |                  |
| S9  | 117  | aluminosilicate and ((Methyltriethoxysilane Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'" - Triethylvinylsilanetriol" Vinyltriethoxysilane/ Triethoxyvinylsilane)) and ((Tetramethyl adj orthosilicate or Methyl adj silicate or Tetramethoxysilane or Silicon adj tetramethoxide or Orthosilicic adj acid adj tetramethyl adj ester or Tetramethyl adj silicate or tetramethoxysilane or Tetramethoxy adj Silane or Tetramethoxysilane/ Tetramethyl adj orthosilicate Tetramethoxysilane (Tetramethylorthosilicate)) or (Tetraethyl adj orthosilicate adj Ethyl adj silicate Tetraethoxysilane Orthosilicic adj acid adj tetraethyl adj ester Tetraethyl adj silicate Tetraethyl adj orthosilicate Silicon adj tetraethoxide Ethyl adj Silicate-40 Tetraethylorthosilicate Silicon adj ethoxide)) and method | US-PGPUB; USPAT | OR  | ON | 2007/07/23 07:50 |
| S10 | 4074 | (eastman adj kodak adj company).as. alkali   | US-PGPUB; USPAT | AND | ON | 2007/07/20 13:55 |
| S11 | 52   | (eastman adj kodak adj company).as. alkali aluminosilicate   | US-PGPUB; USPAT | AND | ON | 2007/07/20 13:55 |
| S12 | 85   | aluminosilicate and ((Methyltriethoxysilane Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'" - Triethylvinylsilanetriol" Vinyltriethoxysilane/   | US-PGPUB; USPAT | OR  | ON | 2007/07/23 13:55 |

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|     |   | Triethoxyvinylsilane)) and<br>((Tetramethyl adj orthosilicate or<br>Methyl adj silicate or<br>Tetramethoxysilane or Silicon adj<br>tetramethoxide or Orthosilicic adj acid<br>adj tetramethyl adj ester or<br>Tetramethyl adj silicate or<br>tetramethoxysilane or Tetramethoxy<br>adj Silane or Tetramethoxysilane/<br>Tetramethyl adj orthosilicate<br>Tetramethoxysilane<br>(Tetramethylorthosilicate)) or<br>(Tetraethyl adj orthosilicate adj Ethyl<br>adj silicate Tetraethoxysilane<br>Orthosilicic adj acid adj tetraethyl adj<br>ester Tetraethyl adj silicate Tetraethyl<br>adj orthosilicate Silicon adj<br>tetraethoxide Ethyl adj Silicate-40<br>Tetraethylorthosilicate Silicon adj<br>ethoxide)) and method and coated  |                    |    |    |                     |
| S14 | 4 | aluminosilicate and<br>((Methyltriethoxysilane Methyl adj<br>triethoxysilane or<br>Triethoxymethylsilane<br>Methyltriethoxysilane Methyl adj<br>triethoxyl adj silane or Methyl adj<br>Triethoxy adj Silane or<br>Methyltriethoxysilane) or<br>(Triethoxyvinylsilane<br>Vinyltriethoxysilane Vinyl adj<br>Triethoxy adj Silane "O,O',O"-<br>Triethylvinylsilanetriol"<br>Vinyltriethoxysilane/<br>Triethoxyvinylsilane)) and<br>((Tetramethyl adj orthosilicate or<br>Methyl adj silicate or<br>Tetramethoxysilane or Silicon adj<br>tetramethoxide or Orthosilicic adj acid<br>adj tetramethyl adj ester or<br>Tetramethyl adj silicate or<br>tetramethoxysilane or Tetramethoxy<br>adj Silane or Tetramethoxysilane/<br>Tetramethyl adj orthosilicate<br>Tetramethoxysilane<br>(Tetramethylorthosilicate)) or<br>(Tetraethyl adj orthosilicate adj Ethyl<br>adj silicate Tetraethoxysilane<br>Orthosilicic adj acid adj tetraethyl adj<br>ester Tetraethyl adj silicate Tetraethyl<br>adj orthosilicate Silicon adj<br>tetraethoxide Ethyl adj Silicate-40<br>Tetraethylorthosilicate Silicon adj<br>ethoxide)) and method and coated<br>and eastman adj kodak adj company.<br>as. | US-PGPUB;<br>USPAT | OR | ON | 2007/07/23<br>07:51 |
| S15 | 0 | "10622352.prn"   | US-PGPUB;<br>USPAT | OR | ON | 2007/07/23<br>13:13 |
| S16 | 0 | "622352.prn"   | US-PGPUB;<br>USPAT | OR | ON | 2007/07/23<br>13:13 |

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| S17 | 5   | ("20050238559"   "20060045833"   "3956171"   "5372884"   "6419355"). PN.  | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/23 13:14 |
| S18 | 5   | ("20050238559"   "20060045833"   "3956171"   "5372884"   "6419355"). PN.  | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/23 13:28 |
| S19 | 24  | ("3956171").URPN.   | USPAT                  | OR | ON | 2007/07/23 13:28 |
| S20 | 118 | aluminosilicate and ((Methyltriethoxysilane Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'" - Triethylvinylsilanetriol" Vinyltriethoxysilane/ Triethoxyvinylsilane)) and ((Tetramethyl adj orthosilicate or Methyl adj silicate or Tetramethoxysilane or Silicon adj tetramethoxide or Orthosilicic adj acid adj tetramethyl adj ester or Tetramethyl adj silicate or tetramethoxysilane or Tetramethoxy adj Silane or Tetramethoxysilane/ Tetramethyl adj orthosilicate Tetramethoxysilane (Tetramethylorthosilicate)) or (Tetraethyl adj orthosilicate adj Ethyl adj silicate Tetraethoxysilane Orthosilicic adj acid adj tetraethyl adj ester Tetraethyl adj silicate Tetraethyl adj orthosilicate Silicon adj tetraethoxide Ethyl adj Silicate-40 Tetraethylorthosilicate Silicon adj ethoxide)) | US-PGPUB; USPAT        | OR | ON | 2007/07/23 13:42 |
| S21 | 37  | aluminosilicate and ((Methyltriethoxysilane Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'" - Triethylvinylsilanetriol" Vinyltriethoxysilane/ Triethoxyvinylsilane)) and ((Tetramethyl adj orthosilicate or Methyl adj silicate or Tetramethoxysilane or Silicon adj   | US-PGPUB; USPAT        | OR | ON | 2007/07/24 13:18 |

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|     |     | <p>tetramethoxide or Orthosilicic adj acid<br/> adj tetramethyl adj ester or<br/> Tetramethyl adj silicate or<br/> tetramethoxysilane or Tetramethoxy<br/> adj Silane or Tetramethoxysilane/<br/> Tetramethyl adj orthosilicate<br/> Tetramethoxysilane<br/> (Tetramethylorthosilicate)) or<br/> (Tetraethyl adj orthosilicate adj Ethyl<br/> adj silicate Tetraethoxysilane<br/> Orthosilicic adj acid adj tetraethyl adj<br/> ester Tetraethyl adj silicate Tetraethyl<br/> adj orthosilicate Silicon adj<br/> tetraethoxide Ethyl adj Silicate-40<br/> Tetraethylorthosilicate Silicon adj<br/> ethoxide)) and ((aluminium<br/> aluminum) adj (salt bromide halide<br/> perhalogenate sulfate nitrate<br/> phosphate carboxylate))</p>   |                    |    |    |                     |
| S22 | 351 | <p>method and ((Methyltriethoxysilane<br/> Methyl adj triethoxysilane or<br/> Triethoxymethylsilane<br/> Methyltriethoxysilane Methyl adj<br/> triethoxyl adj silane or Methyl adj<br/> Triethoxy adj Silane or<br/> Methyltriethoxysilane) or<br/> (Triethoxyvinylsilane<br/> Vinyltriethoxysilane Vinyl adj<br/> Triethoxy adj Silane "O,O',O'"-<br/> Triethylvinylsilanetriol"<br/> Vinyltriethoxysilane/<br/> Triethoxyvinylsilane)) and<br/> ((Tetramethyl adj orthosilicate or<br/> Methyl adj silicate or<br/> Tetramethoxysilane or Silicon adj<br/> tetramethoxide or Orthosilicic adj acid<br/> adj tetramethyl adj ester or<br/> Tetramethyl adj silicate or<br/> tetramethoxysilane or Tetramethoxy<br/> adj Silane or Tetramethoxysilane/<br/> Tetramethyl adj orthosilicate<br/> Tetramethoxysilane<br/> (Tetramethylorthosilicate)) or<br/> (Tetraethyl adj orthosilicate adj Ethyl<br/> adj silicate Tetraethoxysilane<br/> Orthosilicic adj acid adj tetraethyl adj<br/> ester Tetraethyl adj silicate Tetraethyl<br/> adj orthosilicate Silicon adj<br/> tetraethoxide Ethyl adj Silicate-40<br/> Tetraethylorthosilicate Silicon adj<br/> ethoxide)) and ((aluminium<br/> aluminum) adj (salt bromide halide<br/> perhalogenate sulfate nitrate<br/> phosphate carboxylate))</p> | US-PGPUB;<br>USPAT | OR | ON | 2007/07/23<br>13:50 |

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| S23 | 22   | (zeolite aluminosilicate) and anhydrous adj silica and hydrous adj silica and ((aluminium aluminum) adj (salt bromide halide perhalogenate sulfate nitrate phosphate carboxylate))  | US-PGPUB; USPAT        | OR  | ON | 2007/07/23 13:52 |
| S24 | 8197 | (zeolite aluminosilicate) and ((aluminium aluminum) adj (salt bromide halide perhalogenate sulfate nitrate phosphate carboxylate))  | US-PGPUB; USPAT        | OR  | ON | 2007/07/23 13:52 |
| S25 | 773  | (zeolite aluminosilicate).ti. and ((aluminium aluminum) adj (salt bromide halide perhalogenate sulfate nitrate phosphate carboxylate))  | US-PGPUB; USPAT        | OR  | ON | 2007/07/23 13:52 |
| S26 | 118  | aluminosilicate and ((Methyltriethoxysilane Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'" - Triethylvinylsilanetriol" Vinyltriethoxysilane/ Triethoxyvinylsilane)) and ((Tetramethyl adj orthosilicate or Methyl adj silicate or Tetramethoxysilane or Silicon adj tetramethoxide or Orthosilicic adj acid adj tetramethyl adj ester or Tetramethyl adj silicate or tetramethoxysilane or Tetramethoxy adj Silane or Tetramethoxysilane/ Tetramethyl adj orthosilicate Tetramethoxysilane (Tetramethylorthosilicate)) or (Tetraethyl adj orthosilicate adj Ethyl adj silicate Tetraethoxysilane Orthosilicic adj acid adj tetraethyl adj ester Tetraethyl adj silicate Tetraethyl adj orthosilicate Silicon adj tetraethoxide Ethyl adj Silicate-40 Tetraethylorthosilicate Silicon adj ethoxide)) | US-PGPUB; USPAT        | OR  | ON | 2007/07/23 13:55 |
| S27 | 4    | ("4152404"   "4252779"   "5888711"   "5972831").PN.   | US-PGPUB; USPAT; USOCR | OR  | ON | 2007/07/23 14:07 |
| S28 | 4    | ("4152404"   "4252779"   "5888711"   "5972831").PN. OR ("6468492").URPN.  | US-PGPUB; USPAT; USOCR | OR  | ON | 2007/07/23 15:29 |
| S29 | 1264 | aluminosilicate (Aluminum or aluminium or Al) adj salt  | US-PGPUB; USPAT; USOCR | AND | ON | 2007/07/23 15:30 |

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| S30 | 8388 | aluminosilicate and (silanol glass adj beads silica quartz) and (method.ti. or process.ti.)   | US-PGPUB; USPAT             | OR | ON | 2007/07/23 15:33 |
| S31 | 1744 | aluminosilicate and (silanol glass adj beads silica quartz) and (method.ti. or process.ti.) and (aluminum or aluminium) adj (salt halide bromide perhalogenate sulfate nitrate phosphate carboxylate) | US-PGPUB; USPAT             | OR | ON | 2007/07/23 15:35 |
| S32 | 3    | US-5683826-\$.DID. OR US-5916946-\$.DID. OR US-5888711-\$.DID.  | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2007/07/24 09:11 |
| S33 | 136  | (Method and aluminosilicate).ti.  | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2007/07/24 10:45 |
| S34 | 14   | ("3702886"   "3709979"   "4108881"   "4151189"   "4391785"   "5318846"   "5334368"   "5446182"   "5622684"   "5795559"   "6284696").PN. OR ("6649083").URPN.  | US-PGPUB; USPAT; USOCR      | OR | ON | 2007/07/24 09:49 |
| S35 | 14   | ("3702886"   "3709979"   "4108881"   "4151189"   "4391785"   "5318846"   "5334368"   "5446182"   "5622684"   "5795559"   "6284696").PN. OR ("6649083").URPN.  | US-PGPUB; USPAT; USOCR      | OR | ON | 2007/07/24 09:52 |
| S36 | 6    | ("6284696").URPN.   | USPAT                       | OR | ON | 2007/07/24 10:23 |
| S37 | 7    | ("5145816").PN. OR ("6284696").URPN.  | US-PGPUB; USPAT; USOCR      | OR | ON | 2007/07/24 10:27 |
| S38 | 0    | poncelet.au.  | US-PGPUB; USPAT; USOCR      | OR | ON | 2007/07/24 10:27 |
| S39 | 142  | poncelet.in.  | US-PGPUB; USPAT; USOCR      | OR | ON | 2007/07/24 12:55 |
| S40 | 2    | (Method and aluminosilicate).ti. and hydrolyzable   | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2007/07/24 10:46 |
| S41 | 343  | (Method).ti. and hydrolyzable and (aluminosilicate or zeolite)  | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2007/07/24 10:49 |
| S42 | 396  | (Method or process).ti. and hydrolyzable and (aluminosilicate or zeolite) and @ad<="20020718"   | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2007/07/24 10:50 |
| S43 | 396  | (Method or process).ti. and hydrolyzable and (aluminosilicate or zeolite) and @ad<="20020718" and @ad>"1985"  | US-PGPUB; USPAT; USOCR; JPO | OR | ON | 2007/07/24 10:51 |

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| S44 | 1  | "6468492".pn.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/24<br>12:56 |
| S45 | 5  | ("20050238559"   "20060045833"  <br>"3956171"   "5372884"   "6419355").<br>PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/24<br>13:03 |
| S46 | 4  | ("4152404"   "4252779"   "5888711"  <br>"5972831").PN. OR ("6468492").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/24<br>13:06 |
| S47 | 4  | ("4152404"   "4252779"   "5888711"  <br>"5972831").PN. OR ("6468492").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/24<br>13:06 |
| S48 | 55 | (aluminosilicate or zeolite) and<br>(method or process).ti. and<br>((Methyltriethoxysilane Methyl adj<br>triethoxysilane or<br>Triethoxymethylsilane<br>Methyltriethoxysilane Methyl adj<br>triethoxyl adj silane or Methyl adj<br>Triethoxy adj Silane or<br>Methyltriethoxysilane) or<br>(Triethoxyvinylsilane<br>Vinyltriethoxysilane Vinyl adj<br>Triethoxy adj Silane "O,O',O'"'-<br>Triethylvinylsilanetriol"<br>Vinyltriethoxysilane/<br>Triethoxyvinylsilane)) and<br>((Tetramethyl adj orthosilicate or<br>Methyl adj silicate or<br>Tetramethoxysilane or Silicon adj<br>tetramethoxide or Orthosilicic adj acid<br>adj tetramethyl adj ester or<br>Tetramethyl adj silicate or<br>tetramethoxysilane or Tetramethoxy<br>adj Silane or Tetramethoxysilane/<br>Tetramethyl adj orthosilicate<br>Tetramethoxysilane<br>(Tetramethylorthosilicate)) or<br>(Tetraethyl adj orthosilicate adj Ethyl<br>adj silicate Tetraethoxysilane<br>Orthosilicic adj acid adj tetraethyl adj<br>ester Tetraethyl adj silicate Tetraethyl<br>adj orthosilicate Silicon adj<br>tetraethoxide Ethyl adj Silicate-40<br>Tetraethylorthosilicate Silicon adj<br>ethoxide)) and ((aluminium<br>aluminum) adj (salt bromide halide<br>perhalogenate sulfate nitrate<br>phosphate carboxylate)) | US-PGPUB;<br>USPAT           | OR | ON | 2007/07/24<br>15:36 |



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| S49 | 66 | (aluminosilicate or zeolite) and (method or process).ti. and (non adj hydrolyzable or (Methyltriethoxysilane Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'"'- Triethylvinylsilanetriol" Vinyltriethoxysilane/ Triethoxyvinylsilane)) and (hydrolyzable or (Tetramethyl adj orthosilicate or Methyl adj silicate or Tetramethoxysilane or Silicon adj tetramethoxide or Orthosilicic adj acid adj tetramethyl adj ester or Tetramethyl adj silicate or tetramethoxysilane or Tetramethoxy adj Silane or Tetramethoxysilane/ Tetramethyl adj orthosilicate Tetramethoxysilane (Tetramethylorthosilicate)) or (Tetraethyl adj orthosilicate adj Ethyl adj silicate Tetraethoxysilane Orthosilicic adj acid adj tetraethyl adj ester Tetraethyl adj silicate Tetraethyl adj orthosilicate Silicon adj tetraethoxide Ethyl adj Silicate-40 Tetraethylorthosilicate Silicon adj ethoxide)) and ((aluminium aluminum) adj (salt bromide halide perhalogenate sulfate nitrate phosphate carboxylate)) | US-PGPUB;<br>USPAT | OR | ON | 2007/07/24<br>15:38 |
| S50 | 26 | (aluminosilicate or zeolite) and (method or process).ti. and (non adj hydrolyzable or (Methyltriethoxysilane Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'"'- Triethylvinylsilanetriol" Vinyltriethoxysilane/ Triethoxyvinylsilane)) and (hydrolyzable or (Tetramethyl adj orthosilicate or Methyl adj silicate or Tetramethoxysilane or Silicon adj tetramethoxide or Orthosilicic adj acid adj tetramethyl adj ester or Tetramethyl adj silicate or tetramethoxysilane or Tetramethoxy  | US-PGPUB;<br>USPAT | OR | ON | 2007/07/24<br>15:39 |

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|-----|----|---|--------------------|----|----|---------------------|
|     |    | adj Silane or Tetramethoxysilane/<br>Tetramethyl adj orthosilicate<br>Tetramethoxysilane<br>(Tetraethylorthosilicate)) or<br>(Tetraethyl adj orthosilicate adj Ethyl<br>adj silicate Tetraethoxysilane<br>Orthosilicic adj acid adj tetraethyl adj<br>ester Tetraethyl adj silicate Tetraethyl<br>adj orthosilicate Silicon adj<br>tetraethoxide Ethyl adj Silicate-40<br>Tetraethylorthosilicate Silicon adj<br>ethoxide)) and ((aluminium<br>aluminum) adj (salt bromide halide<br>perhalogenate sulfate nitrate<br>phosphate carboxylate)) and<br>(ALuminum or aluminium or Al) adj<br>(salt or bromide or halide or<br>perhalogenate)   |                    |    |    |                     |
| S51 | 11 | (aluminosilicate or zeolite) and<br>(method or process).ti. and (non adj<br>hydrolyzable or (Methyltriethoxysilane<br>Methyl adj triethoxysilane or<br>Triethoxymethylsilane<br>Methyltriethoxysilane Methyl adj<br>triethoxyl adj silane or Methyl adj<br>Triethoxy adj Silane or<br>Methyltriethoxysilane) or<br>(Triethoxyvinylsilane<br>Vinyltriethoxysilane Vinyl adj<br>Triethoxy adj Silane "O,O',O"'-<br>Triethylvinylsilanetriol"<br>Vinyltriethoxysilane/<br>Triethoxyvinylsilane)) and<br>(hydrolyzable or (Tetramethyl adj<br>orthosilicate or Methyl adj silicate or<br>Tetramethoxysilane or Silicon adj<br>tetramethoxide or Orthosilicic adj acid<br>adj tetramethyl adj ester or<br>Tetramethyl adj silicate or<br>tetramethoxysilane or Tetramethoxy<br>adj Silane or Tetramethoxysilane/<br>Tetramethyl adj orthosilicate<br>Tetramethoxysilane<br>(Tetraethylorthosilicate)) or<br>(Tetraethyl adj orthosilicate adj Ethyl<br>adj silicate Tetraethoxysilane<br>Orthosilicic adj acid adj tetraethyl adj<br>ester Tetraethyl adj silicate Tetraethyl<br>adj orthosilicate Silicon adj<br>tetraethoxide Ethyl adj Silicate-40<br>Tetraethylorthosilicate Silicon adj<br>ethoxide)) and ((aluminium<br>aluminum) adj (salt bromide halide<br>perhalogenate sulfate nitrate<br>phosphate carboxylate)) and<br>(ALuminum or aluminium or Al) adj<br>(salt or bromide or halide or<br>perhalogenate) not (borate borium) | US-PGPUB;<br>USPAT | OR | ON | 2007/07/24<br>15:51 |

|     |    |   |                    |    |    |                     |
|-----|----|---|--------------------|----|----|---------------------|
| S52 | 32 | (aluminosilicate or zeolite)and (non<br>adj hydrolyzable or<br>(Methyltriethoxysilane Methyl adj<br>triethoxysilane or<br>Triethoxymethylsilane<br>Methyltriethoxysilane Methyl adj<br>triethoxyl adj silane or Methyl adj<br>Triethoxy adj Silane or<br>Methyltriethoxysilane) or<br>(Triethoxyvinylsilane<br>Vinyltriethoxysilane Vinyl adj<br>Triethoxy adj Silane "O,O',O""-<br>Triethylvinylsilanetriol"<br>Vinyltriethoxysilane/<br>Triethoxyvinylsilane)) and<br>(hydrolyzable or (Tetramethyl adj<br>orthosilicate or Methyl adj silicate or<br>Tetramethoxysilane or Silicon adj<br>tetramethoxide or Orthosilicic adj acid<br>adj tetramethyl adj ester or<br>Tetramethyl adj silicate or<br>tetramethoxysilane or Tetramethoxy<br>adj Silane or Tetramethoxysilane/<br>Tetramethyl adj orthosilicate<br>Tetramethoxysilane<br>(Tetramethylorthosilicate)) or<br>(Tetraethyl adj orthosilicate adj Ethyl<br>adj silicate Tetraethoxysilane<br>Orthosilicic adj acid adj tetraethyl adj<br>ester Tetraethyl adj silicate Tetraethyl<br>adj orthosilicate Silicon adj<br>tetraethoxide Ethyl adj Silicate-40<br>Tetraethylorthosilicate Silicon adj<br>ethoxide)) and ((aluminium<br>aluminum) adj (salt bromide halide<br>perhalogenate sulfate nitrate<br>phosphate carboxylate)) and<br>(ALuminum or aluminium or Al) adj<br>(salt or bromide or halide or<br>perhalogenate) not (borate borium) | US-PGPUB;<br>USPAT | OR | ON | 2007/07/24<br>15:54 |
| S53 | 8  | (aluminosilicate or zeolite)and (non<br>adj hydrolyzable or<br>(Methyltriethoxysilane Methyl adj<br>triethoxysilane or<br>Triethoxymethylsilane<br>Methyltriethoxysilane Methyl adj<br>triethoxyl adj silane or Methyl adj<br>Triethoxy adj Silane or<br>Methyltriethoxysilane) or<br>(Triethoxyvinylsilane<br>Vinyltriethoxysilane Vinyl adj<br>Triethoxy adj Silane "O,O',O""-<br>Triethylvinylsilanetriol"<br>Vinyltriethoxysilane/<br>Triethoxyvinylsilane)) and<br>(hydrolyzable or (Tetramethyl adj<br>orthosilicate or Methyl adj silicate or<br>Tetramethoxysilane or Silicon adj<br>tetramethoxide or Orthosilicic adj acid  | US-PGPUB;<br>USPAT | OR | ON | 2007/07/24<br>15:57 |

|     |    |   |                    |    |    |                     |
|-----|----|---|--------------------|----|----|---------------------|
|     |    | adj tetramethyl adj ester or<br>Tetramethyl adj silicate or<br>tetramethoxysilane or Tetramethoxy<br>adj Silane or Tetramethoxysilane/<br>Tetramethyl adj orthosilicate<br>Tetramethoxysilane<br>(Tetramethylorthosilicate)) or<br>(Tetraethyl adj orthosilicate adj Ethyl<br>adj silicate Tetraethoxysilane<br>Orthosilicic adj acid adj tetraethyl adj<br>ester Tetraethyl adj silicate Tetraethyl<br>adj orthosilicate Silicon adj<br>tetraethoxide Ethyl adj Silicate-40<br>Tetraethylorthosilicate Silicon adj<br>ethoxide)) and ((aluminium<br>aluminum) adj (salt bromide halide<br>perhalogenate sulfate nitrate<br>phosphate carboxylate)) and<br>(ALuminum or aluminium or Al) adj<br>(salt or bromide or halide or<br>perhalogenate) not (catalyst catalysis)  |                    |    |    |                     |
| S54 | 48 | (aluminosilicate or zeolite)and (non<br>adj hydrolyzable or<br>(Methyltriethoxysilane Methyl adj<br>triethoxysilane or<br>Triethoxymethylsilane<br>Methyltriethoxysilane Methyl adj<br>triethoxyl adj silane or Methyl adj<br>Triethoxy adj Silane or<br>Methyltriethoxysilane) or<br>(Triethoxyvinylsilane<br>Vinyltriethoxysilane Vinyl adj<br>Triethoxy adj Silane "O,O',O'"-<br>Triethylvinylsilanetriol"<br>Vinyltriethoxysilane/<br>Triethoxyvinylsilane)) and<br>(hydrolyzable or (Tetramethyl adj<br>orthosilicate or Methyl adj silicate or<br>Tetramethoxysilane or Silicon adj<br>tetramethoxide or Orthosilicic adj acid<br>adj tetramethyl adj ester or<br>Tetramethyl adj silicate or<br>tetramethoxysilane or Tetramethoxy<br>adj Silane or Tetramethoxysilane/<br>Tetramethyl adj orthosilicate<br>Tetramethoxysilane<br>(Tetramethylorthosilicate)) or<br>(Tetraethyl adj orthosilicate adj Ethyl<br>adj silicate Tetraethoxysilane<br>Orthosilicic adj acid adj tetraethyl adj<br>ester Tetraethyl adj silicate Tetraethyl<br>adj orthosilicate Silicon adj<br>tetraethoxide Ethyl adj Silicate-40<br>Tetraethylorthosilicate Silicon adj<br>ethoxide)) and ((aluminium<br>aluminum) adj (salt bromide halide<br>perhalogenate sulfate nitrate<br>phosphate carboxylate)) and<br>(ALuminum or aluminium or Al) adj<br>(salt or bromide or halide or | US-PGPUB;<br>USPAT | OR | ON | 2007/07/24<br>15:57 |

|     |       |  |                        |     |    |                  |
|-----|-------|--|------------------------|-----|----|------------------|
|     |       | perhalogenate)   |                        |     |    |                  |
| S58 | 892   | chelating not dental aluminosilicate not detergent   | US-PGPUB; USPAT        | AND | ON | 2007/07/25 13:24 |
| S59 | 2547  | chelating not dental aluminosilicate not (detergent leech)   | US-PGPUB; USPAT        | AND | ON | 2007/07/25 13:24 |
| S60 | 949   | chelating not leach aluminosilicate not (detergent)  | US-PGPUB; USPAT        | AND | ON | 2007/07/25 13:25 |
| S61 | 992   | chelating aluminosilicate not (detergent)  | US-PGPUB; USPAT        | AND | ON | 2007/07/25 13:59 |
| S62 | 1     | "7252788"  | US-PGPUB; USPAT; USOCR | OR  | ON | 2008/11/03 17:26 |
| S63 | 24708 | (\$triethoxysilane)  | US-PGPUB; USPAT        | AND | ON | 2008/11/08 13:55 |
| S64 | 950   | S63 and aluminosilicate  | US-PGPUB; USPAT        | AND | ON | 2008/11/08 13:55 |
| S65 | 12    | S63 and aluminosilicate and (alkali li na lithium sodium potassium)  | US-PGPUB; USPAT        | AND | ON | 2008/11/08 13:56 |
| S66 | 77    | S63 and aluminosilicate and "502". clas.   | US-PGPUB; USPAT        | AND | ON | 2008/11/08 13:57 |
| S67 | 0     | S63 and (aluminosilicate zeolite sieve seive).ti..ab.  | US-PGPUB; USPAT        | AND | ON | 2008/11/08 13:59 |
| S68 | 0     | S63 and (aluminosilicate zeolite sieve seive).clm.   | US-PGPUB; USPAT        | AND | ON | 2008/11/08 13:59 |
| S69 | 438   | S63 and (aluminosilicate zeolite sieve seive).clm.   | US-PGPUB; USPAT        | OR  | ON | 2008/11/08 13:59 |
| S70 | 814   | S63 and aluminosilicate and (alkali li na lithium sodium potassium)  | US-PGPUB; USPAT        | OR  | ON | 2008/11/08 13:59 |
| S71 | 0     | S63 and (aluminosilicate zeolite sieve seive).ti..ab.  | US-PGPUB; USPAT        | OR  | ON | 2008/11/08 13:59 |
| S72 | 205   | S69 and S70  | US-PGPUB; USPAT        | OR  | ON | 2008/11/08 14:00 |
| S73 | 962   | aluminosilicate and ((Methyltriethoxysilane MTES Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane M adj T adj E adj S or Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane VTEO Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'" - Triethylvinylsilanetriol" Vinyltriethoxysilane/ Triethoxyvinylsilane) \$triethoxysilane) | US-PGPUB; USPAT        | OR  | ON | 2008/11/08 14:15 |
| S74 | 950   | aluminosilicate and (\$triethoxysilane)  | US-PGPUB; USPAT        | OR  | ON | 2008/11/08 14:25 |
| S75 | 77    | aluminosilicate and (\$triethoxysilane) and "502". clas.   | US-PGPUB; USPAT        | OR  | ON | 2008/11/08 14:26 |
| S76 | 44    | aluminosilicate and (\$triethoxysilane) and "423". clas.   | US-PGPUB; USPAT        | OR  | ON | 2008/11/08 14:26 |

|     |      |  |                        |    |    |                  |
|-----|------|--|------------------------|----|----|------------------|
| S77 | 0    | aluminosilicate and (\$triethoxysilane) and 423/700-718,328.1.clas.  | US-PGPUB; USPAT        | OR | ON | 2008/11/08 14:31 |
| S78 | 18   | aluminosilicate and (\$triethoxysilane) and (423/700-718 423/328.1).ccls.  | US-PGPUB; USPAT        | OR | ON | 2008/11/08 14:31 |
| S79 | 26   | (\$triethoxysilane) and (423/700-718 423/328.1).ccls.  | US-PGPUB; USPAT        | OR | ON | 2008/11/08 14:36 |
| S80 | 8    | (\$triethoxysilane) and (423/700-718 423/328.1).ccls. not S78  | US-PGPUB; USPAT        | OR | ON | 2008/11/08 14:37 |
| S81 | 21   | amorphous and ramen and (423/700-718 423/328.1).ccls.  | US-PGPUB; USPAT        | OR | ON | 2008/11/08 14:39 |
| S82 | 21   | amorphous and (raman ramen) and (423/700-718 423/328.1).ccls.  | US-PGPUB; USPAT        | OR | ON | 2008/11/08 14:39 |
| S83 | 13   | "6331500"  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/11/08 16:01 |
| S84 | 9    | "5898089"  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/11/08 16:05 |
| S85 | 7121 | carboxylic adj acid and aluminosilicate  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/11/08 16:18 |
| S86 | 296  | carboxylic adj acid and aluminosilicate and "423".clas.  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/11/08 16:18 |
| S87 | 146  | (423/700-718 423/328.1).ccls. and carboxylic adj acid  | US-PGPUB; USPAT        | OR | ON | 2008/11/08 16:20 |
| S88 | 13   | aluminosilicate and (\$triethoxysilane) and (423/700-718 423/328.1).ccls. and amorphous  | US-PGPUB; USPAT        | OR | ON | 2008/11/08 17:01 |
| S89 | 739  | aluminosilicate and (423/700-718 423/328.1).ccls. and amorphous  | US-PGPUB; USPAT        | OR | ON | 2008/11/08 17:03 |
| S90 | 29   | aluminosilicate and (423/700-718 423/328.1).ccls. and amorphous and (hydrolyzable)   | US-PGPUB; USPAT        | OR | ON | 2008/11/08 17:03 |
| S91 | 60   | aluminosilicate and ((Methyltriethoxysilane Methyl adj triethoxysilane or Triethoxymethylsilane Methyltriethoxysilane Methyl adj triethoxyl adj silane or Methyl adj Triethoxy adj Silane or Methyltriethoxysilane) or (Triethoxyvinylsilane Vinyltriethoxysilane Vinyl adj Triethoxy adj Silane "O,O',O'" - Triethylvinylsilanetriol" Vinyltriethoxysilane/ Triethoxyvinylsilane)) and ((Tetramethyl adj orthosilicate or Methyl adj silicate or Tetramethoxysilane or Silicon adj tetramethoxide or Orthosilicic adj acid adj tetramethyl adj ester or Tetramethyl adj silicate or | US-PGPUB; USPAT        | OR | ON | 2008/11/08 17:14 |

|      |       |  |                            |    |    |                     |
|------|-------|--|----------------------------|----|----|---------------------|
|      |       | tetramethoxysilane or Tetramethoxy<br>adj Silane or Tetramethoxysilane/<br>Tetramethyl adj orthosilicate<br>Tetramethoxysilane<br>(Tetramethylorthosilicate)) or<br>(Tetraethyl adj orthosilicate adj Ethyl<br>adj silicate Tetraethoxysilane<br>Orthosilicic adj acid adj tetraethyl adj<br>ester Tetraethyl adj silicate Tetraethyl<br>adj orthosilicate Silicon adj<br>tetraethoxide Ethyl adj Silicate-40<br>Tetraethylorthosilicate Silicon adj<br>ethoxide)) and amorphous |                            |    |    |                     |
| S92  | 38784 | aluminosilicate and amorphous<br>(\$triethoxysilane non adj hydrolyzable<br>non-hydrolyzable)  | US-PGPUB;<br>USPAT         | OR | ON | 2008/11/08<br>17:19 |
| S93  | 373   | aluminosilicate and amorphous and<br>(\$triethoxysilane non adj hydrolyzable<br>non-hydrolyzable)  | US-PGPUB;<br>USPAT         | OR | ON | 2008/11/08<br>17:20 |
| S94  | 15    | aluminosilicate and amorphous and<br>(\$triethoxysilane non adj hydrolyzable<br>non-hydrolyzable) and (423/700-718<br>423/328.1).ccls.   | US-PGPUB;<br>USPAT         | OR | ON | 2008/11/08<br>17:20 |
| S95  | 18    | (non-crystalline amorphous) and<br>(\$triethoxysilane non adj hydrolyzable<br>non-hydrolyzable) and (423/700-718<br>423/328.1).ccls.   | US-PGPUB;<br>USPAT         | OR | ON | 2008/11/08<br>17:23 |
| S96  | 33    | "5,234,695"  | US-PGPUB;<br>USPAT         | OR | ON | 2008/11/08<br>17:23 |
| S97  | 33009 | ogawa  | US-PGPUB;<br>USPAT         | OR | ON | 2008/11/08<br>17:26 |
| S98  | 28    | "5139760"  | US-PGPUB;<br>USPAT         | OR | ON | 2008/11/08<br>17:26 |
| S99  | 28    | (\$triethoxysilane non adj hydrolyzable<br>non-hydrolyzable) and (423/700-718<br>423/328.1).ccls.  | US-PGPUB;<br>USPAT         | OR | ON | 2008/11/08<br>18:00 |
| S100 | 4     | "7005085"  | US-PGPUB;<br>USPAT         | OR | ON | 2008/11/10<br>08:07 |
| S101 | 0     | "7005085""1433831"   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/10<br>08:17 |
| S102 | 3     | "1433831"  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/10<br>08:17 |
| S103 | 2     | "ethanol dimer"  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/10<br>08:43 |

11/10/2008 9:29:48 AM

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